

Canine Interleukin 21 ELISA Kit | IL21 elisa kit

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CATALOG #
AAA93664

REACTIVITY
Canine

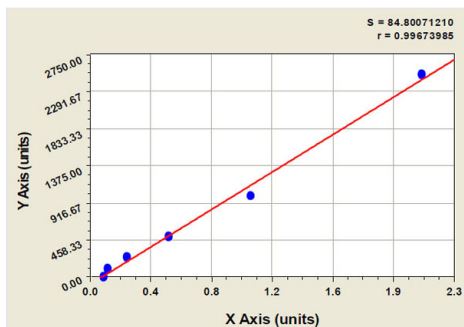
PRODUCT SYNONYMS

Interleukin 21; Canine Interleukin 21 ELISA Kit; IL21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This IL21 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IL21. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL21 elisa kit

Principle of the assay: IL21 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for IL21. Standards or samples are then added to the microtiter plate wells and IL21 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of IL21 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for IL21 are added to each well to "sandwich" the IL21 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain IL21 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL21 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	333033767
NCBI GeneID	59067
NCBI Accession #	NP_001193935.1
NCBI GenBank Nucleotide #	NM_001207006.2
Molecular Weight	16,867 Da
NCBI Official Full Name	interleukin-21 isoform 2
NCBI Official Synonym Full Names	interleukin 21
NCBI Official Symbol	IL21
NCBI Official Synonym Symbols	Za11; IL-21; CVID11
NCBI Protein Information	interleukin-21; interleukin-21 isoform
UniProt Protein Name	Interleukin-21
UniProt Gene Name	IL21
UniProt Synonym Gene Names	IL-21
UniProt Entry Name	IL21_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.